PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 60329-PCT	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/US2004/032720	International filing date (day/month/year) 04 October 2004 (04.10.2004)	Priority date (day/month/year) 10 October 2003 (10.10.2003)	
International Patent Classification (8th See relevant information in Form P	edition unless older edition indicated) CT/ISA/237		
Applicant FMC CORPORATION			

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).						
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.						
۷.	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference						
	to the international preliminary re	eport on patentability (Chapter	I) instead.				
3.	This report contains indications re	elating to the following items:					
	Box No. I	Basis of the report					
	Box No. II	Priority					
	Box No. III	Non-establishment of opinion applicability	on with regard to novelty, inventive step and industrial				
	Box No. IV	Lack of unity of invention					
	Box No. V	Reasoned statement under applicability; citations and of	Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement				
	Box No. VI	Certain documents cited					
	Box No. VII	Certain defects in the interr	national application				
	Box No. VIII	Certain observations on the	international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).						
			Date of issuance of this report 10 April 2006 (10.04.2006)				
	The International Bure	eau of WIPO	Authorized officer				
	34, chemin des Col	lombettes	Simin Baharlou				
Facs	1211 Geneva 20, Switzerland Pacsimile No. +41 22 740 14 35 Telephone No. +41 22 338 71 30						

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

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From the	,
INTERNATIONAL SEARCHING AUTHORITY	WIPO PO
To: JOHN M. SHEEHAN FMC CORPORATION 1735 MARKET STREET	WRITTEN OPINION OF THE
PHILADELPHIA, PA 19103	INTERNATIONAL SEARCHING AUTHORITY
	(PCT Rule 43bis.1)
	Date of mailing (day/month/year) 05 JUL 2005
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraph 2 below
60329-PCT	
International application No. International filing	g date (day/month/year) Priority date (day/month/year)
PCT/US04/32720 04 October 2004	(04.10.2004) 13 September 2004 (13.09.2004)
International Patent Classification (IPC) or both national class	ssification and IPC
546/19, 132, 192, 193, 210	2, 451/04, 451/06 and US Cl.: 514/256, 278, 304, 318, 326, 327; 544/333;
Applicant	
FMC CORPORATION	
1. This opinion contains indications relating to the following	ng items:
Box No. I Basis of the opinion	
Box No. II Priority	and the state of t
Box No. III Non-establishment of opinion	with regard to novelty, inventive step and industrial applicability
Box No. IV Lack of unity of invention	
Box No. V Reasoned statement under Rul applicability; citations and exp	le 43bis.1(a)(i) with regard to novelty, inventive step or industrial planations supporting such statement
Box No. VI Certain documents cited	
Box No. VII Certain defects in the internation	ional application
Box No. VIII Certain observations on the in	nternational application
2. FURTHER ACTION If a demand for international preliminary examination International Preliminary Examining Authority ("IP Authority other than this one to be the IPEA and the that written opinions of this International Searching Au	n is made, this opinion will be considered to be a written opinion of the EA") except that this does not apply where the applicant chooses an chosen IPEA has notified the International Bureau under Rule 66.1bis(b) uthority will not be so considered.
of Form PCT/ISA/220 or before the expiration of 22 m	be a written opinion of the IPEA, the applicant is invited to submit to the the amendments, before the expiration of 3 months from the date of mailing months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.	
3. For further details, see notes to Form PCT/ISA/220.	
Name and mailing address of the ISA/ US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450	Telephone No. 571-272-1600
Alexandria, Virginia 22313-1450	Telephone Nov. 571-272-1600

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/32720

Box No	. I Basis of this opinion
1. With r was fi	egard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language =, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With r invent	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material .
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addition	onal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/32720

1. Statement			,
Novelty (N)	Claims 8-40		YE
Novely (N)			
Inventive step (IS)	Claims 11-4	0	YE
inventive step (15)			310
Industrial applicability (IA)	Claims 1-40		YE
industrial apprications (174)		NE	310
. Citations and explanations:			
Claims 1-7 lack novelty under PCT Article 33(2) at compound(b) or US 4,178,377, see anticipatory con	being anticipated by npound at col. 25 line	US 3,056,795, see anticipato s 52-53.	ory compound at col. 14
Claims 8-40 meet the criteria set out in PCT Article compounds for insecticides.	: 33(2), because the pr	ior art does not disclose con	pounds or method of using the
Claims 1-10 lack an inventive step under PCT Arti- US 3,056,795, US 4,178,377, or CA138:255252. generically of variations in substitutions, US 4,178 of variations in substitutions, CA 138 disclosed spetche R4 or R5 can both be hydrogen. Therefore, the	US 3,056,795 disclose 377 disclosed anticipa cies of lower alkyl sul	ed anticipatory compound at atory compound at col. 25 li estituted piperidine compour	nds of the claims and taught tha
Claims 11-40 meet the criteria set out in PCT Articuse of the compound for insecticide.	le 33(2)-(3), because t	he prior art does not teach o	r fairly suggest the composition
Claims 1-40 meet the criteria set out in PCT Article be made or used in industry.	e 33(4), and thus have	industrial applicability beca	use the subject matter claimed o
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